

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
PATENT APPLICATION

5   Entitled :   Device for cooling turbine disks

Inventors : IMBOURG Sébastien, SOUPIZON Jean-Luc, PABION  
Philippe

10   Assignee : SNECMA MOTEURS

ABSTRACT OF THE DISCLOSURE

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          A cooling device for cooling disks of high-pressure  
and low-pressure turbines of a turbomachine, said device  
being fed with cooling air from at least one air orifice  
formed through a bottom annular platform for supporting  
20   at least one fixed vane of said low-pressure turbine and  
being disposed between an upstream flange and a  
downstream flange of said bottom platform, the device  
comprising: an upstream annular plate extending radially  
from the upstream flange of said bottom platform; a  
25   downstream annular plate extending radially from the  
downstream flange of the bottom platform, said upstream  
and downstream plates longitudinally defining at least  
one annular cavity for cooling air; a sealing device  
extending longitudinally between said upstream and  
30   downstream plates so as to close the cooling air cavity  
in leaktight manner; holding means for holding said  
upstream and downstream plates against the upstream and  
downstream flanges of said bottom platform; and a  
plurality of holes for injecting cooling air towards the  
35   turbine disks.